

WHAT IS CLAIMED IS:

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1. A print apparatus for forming a color image by
applying ink materials of plural colors onto a print
medium while scanning a recording head in two
5 directions,

wherein, in order to make orders of application of
an ink material of a certain color out of ink materials
of plural colors applied onto a pixel area of a
secondary color to form the secondary color, symmetric
10 with respect to an ink material of another color, at
least the ink material of said certain color is applied
plural times onto said pixel area.

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2. The print apparatus according to Claim 1,
15 wherein said ink material of another color is applied
plural times onto said pixel area.

3. The print apparatus according to Claim 1,
wherein dots of the ink materials of the plural colors
20 applied onto said pixel area have centers of gravity
all substantially matching each other.

4. The print apparatus according to Claim 1,
wherein dots of the ink materials of the plural colors
25 applied onto said pixel area overlap at least in part.

5. The print apparatus according to Claim 2,

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wherein a plurality of dots of the secondary color are laid in different application orders of the ink material of said certain color and the ink material of said another color in said pixel area.

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6. The print apparatus according to Claim 1, wherein said recording head comprises a plurality of recording elements arranged in such a manner that recording elements for applying the ink material of said certain color are symmetric in a scanning direction with respect to recording element for applying the ink material of said another color.

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7. The print apparatus according to Claim 6, wherein said recording head comprises recording elements for applying at least ink materials of cyan, magenta, and yellow and wherein with respect to a recording element corresponding to either one color the recording elements corresponding to the other colors are located in symmetry in the scanning direction.

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8. The print apparatus according to Claim 6, wherein said recording head comprises two sets of recording elements for applying at least ink materials of cyan, magenta, and yellow arranged in symmetry in the scanning direction.

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Cmt 7

9. The print apparatus according to Claim 7,
wherein said recording head further comprises a
recording element for applying black ink.

5 10. The print apparatus according to Claim 8,
wherein said recording head further comprises a
recording element for applying black ink.

10 11. The print apparatus according to Claim 6,
wherein the ink materials of the plural colors applied
to said pixel area are applied by one scan of said
recording head.

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Cmt 13

15 12. The print apparatus according to Claim 1,
wherein the ink materials of the plural colors applied
to said pixel area are applied by plural scans in
different directions of said recording head.

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Cmt 13

20 13. The print apparatus according to Claim 1,
comprising a memory for storing data for selectively
applying the ink materials of said plural colors onto
the print medium in accordance with the color image and
for storing data for enabling the ink material of said
certain color to be applied plural times onto said
25 pixel area.

14. The print apparatus according to Claim 13,

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wherein said memory is a print buffer.

5 15. The print apparatus according to Claim 7,
comprising a memory for storing data for selectively
applying the ink materials of said plural colors onto
the print medium in accordance with the color image, in
correspondence to each of said plurality of recording
elements.

10 16. The print apparatus according to either one
of Claims 1 to 15, wherein said recording head ejects
the ink materials by heat.

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15 17. A print apparatus for forming a color image
by applying ink materials of plural colors onto a print
medium while scanning a recording head in two
directions,

20 wherein, in order to make orders of application of
an ink material of a certain color out of ink materials
of plural colors applied onto a pixel area of a process
color to form the process color, symmetric with respect
to an ink material of another color, at least the ink
material of said certain color is applied plural times
onto said pixel area.

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18. The print apparatus according to Claim 1,
said apparatus being applied to a copy machine having a

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scanner.

19. The print apparatus according to Claim 1,
said apparatus being applied to a facsimile machine
5 having a transmitter and receiver of data.

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C.6

20. A print method for forming a color image by
applying ink materials of plural colors onto a print
medium while scanning a recording head in two
10 directions, said method comprising:

a first step of applying an ink material of a
certain color for forming a secondary color in a pixel
area of said secondary color;

a second step of applying an ink material of
15 another color onto said pixel area for forming said
secondary color in combination with said certain color,
after the application of the ink of said certain color;
and

a third step of applying the ink material of said
20 certain color onto said pixel area, after the
application of the ink material of said another color.

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21. The print method according to Claim 20,
wherein said recording head comprises two sets of
25 recording elements for applying the ink material of
said certain color, which are arranged in symmetry in a
scanning direction with respect to a recording element

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for applying the ink material of said another color,
and

wherein said first step and said second step are
carried out by one scan of said recording head.

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22. A print method for forming a color image by
applying ink materials of plural colors onto a print
medium while scanning a recording head in two
directions, said method comprising:

10 a first step of applying an ink material of a
certain color for forming a secondary color in a pixel
area of the secondary color and an ink material of
another color for forming said secondary color in
combination with the certain color, in the order named
15 onto said pixel area; and

a second step of applying the ink material of said
certain color and the ink material of said another
color in an order symmetric with said order onto said
pixel area.

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23. The print method according to Claim 22,
wherein said recording head comprises two sets of
recording elements for applying the ink material of
said certain color and recording elements for applying
25 the ink material of said another color arranged in
symmetry in the scanning direction, and

wherein said first step and said second step are

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carried out by one scan of said recording head.

24. The print method according to Claim 23,
wherein said first step and said second step are
5 carried out by a plurality of scans in different
directions of said recording head.

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